

Eastern Pennsylvania Branch of  
The American Society for Microbiology  
C/O, NLTN  
305 South Street  
Boston, MA 02130-3597

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**35<sup>th</sup> Annual Symposium**  
*Presented by*  
**Eastern Pennsylvania Branch of  
the American Society for Microbiology**  
◆◆◆  
**National Laboratory Training Network**  
◆◆◆  
**University of Pennsylvania**

# **Antimicrobial Resistance & Emerging Infections: A Public Health Perspective**

**November 9 - 10, 2004**

**Biomedical Research Building II/III  
University of Pennsylvania  
Philadelphia, Pennsylvania**



## **General Information**

The Eastern Pennsylvania Branch of the American Society for Microbiology, the National Laboratory Training Network, and the University of Pennsylvania are cosponsoring this 35<sup>th</sup> Annual Symposium. The title for this year's Symposium is "Antimicrobial Resistance and Emerging Infections: A Public Health Perspective". This advanced level program will include four major sessions. Day 1 will focus on issues related to antimicrobial resistance. Session I will cover topics related to global resistance patterns and issues of concern in the pharmaceutical industry, particularly on the future development of new antimicrobial agents. Session II will review emerging resistance in the community, food-borne transmission of antimicrobial resistant microbial agents, and technological advances in detecting resistance. Day 2 will focus on emerging infections of public health significance. Session III will cover viral infections such as SARS, Influenza, Hepatitis C and new developments in diagnostic virology. Session IV will focus on the concerns of certain emerging infections, such as *H. pylori* and HPV and the development of cancer, as well as the impact of pneumococcal vaccine on resistance in the community. This conference will be of interest to clinical microbiologists, laboratory directors, epidemiologists, infectious disease physicians, and scientists in both academia and the pharmaceutical/diagnostics industries.

The meeting will be held in the Auditorium of the Biomedical Research Building II/III, 421 Curie Boulevard, University of Pennsylvania, Philadelphia, PA 19104. Information about hotels, public transportation, driving directions, and parking can be found at: [www.uphs.upenn.edu/epaasm](http://www.uphs.upenn.edu/epaasm).

### **Program Co-Chairs**

Irving Nachamkin, Dr.P.H., M.P.H.  
University of Pennsylvania School of Medicine  
Philadelphia, PA

James Poupard, Ph.D.  
Pharma Institute of Philadelphia  
Philadelphia, PA

### **Branch President**

Olarae Giger, Ph.D.  
Main Line Clinical Laboratories  
Wynewood, PA

### **The National Laboratory Training Network**

is a training system sponsored by the Association of Public Health Laboratories (APHL) and the Centers for Disease Control and Prevention (CDC).

## **Objectives**

*Upon completion of this symposium, participants should be able to:*

- Explain the changing patterns of antimicrobial resistance in the United States and from a global perspective
- Describe the issues facing the pharmaceutical industry in developing new antimicrobial agents
- Discuss the evidence linking the transmission of antimicrobial resistant bacteria from animal to man
- Describe some of the new mechanisms of antimicrobial resistance and new technologies for detecting antimicrobial resistance in the clinical microbiology laboratory
- Describe the etiology and epidemiology of important viral infections of public health concern
- Describe some of the new techniques for diagnosing viral infections of public health concern
- Recognize the link between certain infectious diseases such as HPV and *H. pylori* and the development of cancer
- Explain the impact of pneumococcal vaccine on antimicrobial resistance in the community

## **Continuing Education Credit**

The Association of Public Health Laboratories (APHL) is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. Participants who successfully complete this program will be awarded 6.5 contact hours for 11/9 and 5.5 contact hours for 11/10.

## **Special Needs and Information**

In compliance with the Americans with Disabilities Act, individuals needing special accommodations should notify the NLTN office at least two weeks prior to the workshop. For more information please call: 800-536-NLTN or 617-983-6285 or e-mail: [neoffice@nltn.org](mailto:neoffice@nltn.org).

Antimicrobial Resistance & Emerging Infections: A Public Health Perspective

Tuesday, November 9, 2004  
8:15 a.m. - 5:15 p.m.

Drug Resistance as a  
Public Health Issue

Session I

Resistance and Policy Issues

- 7:30 Registration
- 8:15 Introduction  
Welcome  
Irving Nachamkin, Dr.P.H., M.P.H  
Univ. of Pennsylvania School of Medicine  
Philadelphia, PA
- 8:30 Global Resistance Trends and What They  
Mean  
Ronald Jones, MD, The Jones Group/JMI  
Laboratories, North Liberty, IA
- 9:15 Is Antimicrobial Resistance a Big Deal?  
Clyde Thornsberry, Ph.D.,  
Focus Technologies, Inc., Franklin, TN
- 10:00 Refreshment Break
- 10:30 Antimicrobial Development by the  
Pharmaceutical Industry - Policy Issues  
Jim Poupard, Ph.D., Pharma Institute of  
Philadelphia, Philadelphia, PA
- 11:15 Roundtable Discussion: Additional  
Perspectives on Antimicrobial Resistance
- 12:00 Lunch

Session II

Technology and Community Issues

- 1:30 Emergence of Antimicrobial Resistance  
in the Community (e.g., MRSA)  
Ebbing Lautenbach, MD, M.P.H., M.S.C.E.,  
University of Pennsylvania, Philadelphia, PA

- 2:15 Transmission of Antimicrobial Resistant  
Bacteria from Animals to Man: Public  
Health and the Food Supply  
Tom Chiller, MD, M.P.H., NARMS Program,  
CDC, Atlanta, GA
- 3:00 Refreshment Break
- 3:15 New Mechanisms of Antimicrobial  
Resistance  
Fred Tenover, Ph.D., Division of Health  
Promotion Quality, CDC, Atlanta, GA
- 4:00 New Technologies for Detecting  
Antimicrobial Resistance  
Michel G. Bergeron, MD, Laval University,  
Québec City, Canada
- 4:45 Question and Answer Session
- 5:00 Evaluation
- 5:15 Adjournment

Wednesday, November 10, 2004  
8:30 a.m. - 3:45 p.m.

Emerging Infections of  
Public Health Significance

Session III

Viral Diseases of Public Health Concern

- 7:30 Registration
- 8:30 SARS: Paradigm for an Emerging  
Pathogen in a Global Community  
Donald E. Low, MD, Mt. Sinai Hospital,  
Toronto, Ontario, Canada
- 9:15 Global Epidemiology and Changing  
Patterns of HIV Infection  
Stephen C. Gluckman, MD, University of  
Pennsylvania, Philadelphia, PA

- 10:00 Refreshment Break
- 10:30 Hepatitis C Infection and Chronic  
Liver Disease  
K. Rajender Reddy, MD, University of  
Pennsylvania, Philadelphia, PA
- 11:15 Diagnostic Virology: New Approaches  
for Detecting Viruses of Public Health  
Concern  
Richard L. Hodinka, Ph.D., Children's  
Hospital of Philadelphia, University of  
Pennsylvania School of Medicine,  
Philadelphia, PA
- 12:00 Lunch

Session IV

Public Health Concerns of Emerging  
Infections and Drug Resistance

- 1:00 *Helicobacter pylori* and Gastric Cancer:  
Factors that Modulate Disease Risk  
Martin Blaser, MD, New York University  
School of Medicine, New York, NY
- 1:45 Human Papilloma Virus Infections and  
Vaccine Development  
John T. Schiller, Ph.D., National Cancer  
Institute, Bethesda, MD
- 2:30 Pneumococcal Vaccine: Impact on  
Community Infections and Resistance  
Keith Klugman, MD, Ph.D.,  
Emory University, Atlanta, GA
- 3:15 Question and Answer Session
- 3:30 Evaluation
- 3:45 Symposium Adjournment



Registration Information

35<sup>th</sup> Annual Symposium  
November 9-10, 2004

Please complete the accompanying  
Registration Form.

REGISTRATION FEE

Fee includes program materials, refreshment  
breaks and lunch.

Two-day Pre-registration \$195.00  
Two-day On-site registration \$210.00

One-day Pre-registration \$100.00  
One-day On-site registration \$110.00

Students, Fellows, Residents  
Two-day registration \$100.00 •  
One-day registration \$ 60.00 •

• A letter with departmental letterhead verifying  
status as fellow, resident or student should be  
provided with registration.

Send completed registration form to:

Fax: 617-983-8037  
or  
Mail: NLTN  
305 South Street  
Boston, MA 02130-3597

Pay by check, money order, or credit card  
(checks payable to "APHL" ).

No refunds after October 29, 2004

Confirmation letters will NOT be sent.

Applicants will be notified if course is filled.

Information on hotels, public transportation,  
driving instructions, and parking can be found  
on the Web at: [www.uphs.upenn.edu/epaasm](http://www.uphs.upenn.edu/epaasm).

Ample public transportation and off-site parking  
are available.

2004MIC205 / 206  
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**Date:** Please check date(s).      **November 9, 2004 (NE3405)** +/or      **November 10, 2004 (NE3505)**

*(Please review all options in the three categories before circling the one most appropriate in each category.)*

01	Physician
02	Veterinarian
04	Laboratorian
05	Nursing Professional
06	Sanitarian
08	Administrator
11	Safety Professional
13	Educator
14	Epidemiologist
15	Environmental Scientist
12	Other

- 01 Health Department (State or Territorial)
- 03 Health Department (Local, City or County)
- 04 Government (Other Local, not City or County)
- 05 Centers for Disease Control and Prevention
- 09 U.S. Food and Drug Administration
- 11 U.S. Department of Defense
- 12 Veterans Administration Medical Center/Hosp.
- 15 Other (Federal Employer) \_\_\_\_\_
- 16 Foreign
- 19 College or University
- 21 Private Industry
- 23 Private Clinical Laboratory
- 24 Physician's Office Laboratory/Group Practice
- 17 Hospital (Private Community)
- 33 Hospital (Other)
- 25 State Funded Hospital
- 26 City or County Funded Hospital
- 28 Health Maintenance Organization
- 31 Non-profit
- 32 Unemployed or Retired
- 30 Other

The information requested on this form is collected under the authority of 42 U.S.C., Section 243 (CDC). The requested information is used only to process your training registration and will be disclosed only upon your written request. Continuing education credit can only be provided when all requested information is submitted. Furnishing the information requested on this form is voluntary. Public reporting burden for this collection of information is estimated to average five minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not to respond to a collection of information, unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer, 1600 Clifton Road, N.E., MS D-24, Atlanta, Georgia 30333; ATTN: PRA (0920-0017).

	Degree
04	Associate
05	Bachelor
06	Masters
07	Doctoral (M.D.)
08	Doctoral (Other than M.D.)
09	Technical/Hospital School
03	Some College
02	High School Graduate
01	Some High School
10	Other

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305 South Street  
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